

Regional HIV/AIDS Epidemiologic Profile of Barnstable County, Massachusetts: FY 2008

Table 1. Total number of people reported with HIV infection or AIDS¹ by mortality status on December 31, 2007 Barnstable County, Massachusetts

	N	%
People Living with HIV/AIDS	603	58%
People Reported with HIV or AIDS who are Deceased	431	42%
Total Number of People Reported with HIV Infection or AIDS	1,034	100%

¹ Does not include individuals diagnosed with HIV infection (non-AIDS) who died prior to January 1, 1999 or who were not in care on January 1, 1999.

Data Source: MDPH HIV/AIDS Surveillance Program, Data as of 1/1/08

Table 2. Average annual rate of HIV infection diagnosis from 2004 to 2006 and rate of people living with HIV/AIDS on 12/31/07¹: Barnstable County, Massachusetts

Average annual HIV diagnosis rate from 2004–2006	Average Rate per 100,000	Average Number of HIV Diagnoses
Barnstable County, MA	12 per 100,000	26
Massachusetts Total	13 per 100,000	857
Rate of people living with HIV/AIDS on 12/31/07	Rate per 100,000	Number of People Living with HIV/AIDS
Barnstable County, MA	271 per 100,000	603
Massachusetts Total	267 per 100,000	16,977

¹ Population sizes for rate calculations are based on year 2000 population estimates from the MDPH Center for Health Information, Statistics, Research and Evaluation

Data Source: MDPH HIV/AIDS Surveillance Program, Data as of 1/1/08

Table 3. People living with HIV/AIDS¹, deaths among people reported with HIV/AIDS, and newly diagnosed HIV infections by year²: 1999–2006, Barnstable County, Massachusetts

Year	HIV/AIDS Prevalence	Deaths among those with HIV/AIDS	Diagnosis of HIV Infection
1999	443	7	58
2000	469	14	40
2001	492	15	38
2002	510	12	30
2003	526	15	31
2004	544	7	25
2005	563	8	27
2006	587	2	26

¹ Number of People living with HIV/AIDS on 12/31 of each year

² Reflects year of diagnosis for HIV infection among all individuals reported with HIV infection, with or without an AIDS diagnosis
Data source: MDPH HIV/AIDS Surveillance Program, Data as of 1/1/08

Table 4. People diagnosed with HIV infection from 2004–2006¹ and people living with HIV/AIDS on December 31, 2007 by gender, place of birth, race/ethnicity, exposure mode, age at HIV infection diagnosis and current age: Barnstable County, Massachusetts

HIV Infection Diagnoses			PLWH/A	
Gender:	N	%	N	%
Male	67	86%	533	88%
Female	11	14%	70	12%
Place of Birth:	N	%	N	%
US	62	79%	531	88%
Puerto Rico/US Dependency ²	0	0%	8	1%
Non-US	16	21%	64	11%
Race/Ethnicity:	N	%	N	%
White (non-Hispanic)	56	72%	515	85%
Black (non-Hispanic)	12	15%	44	7%
Hispanic	7	9%	36	6%
Other/Undetermined ³	3	4%	8	1%
Exposure Mode:	N	%	N	%
Male-to-male sex (MSM)	50	64%	439	73%
Injection Drug Use (IDU)	6	8%	50	8%
MSM/IDU	4	5%	25	4%
Heterosexual Sex	2	3%	35	6%
Other	1	1%	4	1%
Total Undetermined	15	19%	50	8%
• Presumed Heterosexual Sex ⁴	13	17%	34	6%
• Undetermined ⁵	2	3%	16	3%
Age:	N	%	N	%
	At Diagnosis		On December 31, 2007	
Under 13	1	1%	0	0%
13 to 19	0	0%	2	<1%
20 to 24	2	3%	3	<1%
25 to 29	8	10%	12	2%
30 to 34	13	17%	25	4%
35 to 39	14	18%	63	10%
40 to 44	17	22%	134	22%
45 to 49	9	12%	142	24%
50 to 54	7	9%	109	18%
55 to 59	4	5%	66	11%
60+	3	4%	47	8%
Total	78	100%	603	100%

¹ Reflects year of HIV infection diagnosis among all individuals reported with HIV infection, with or without an AIDS

² Ninety-five percent of all people diagnosed with HIV infection in MA who were born in a US dependency were born in Puerto Rico, 1% were born in the US Virgin Islands, <1% were born in American Samoa, and 4% were born in an unknown dependency

³ Other/Undetermined includes Asian/Pacific Islander, American Indian/Alaska Native and people of unspecified race/ethnicity

⁴ Heterosexual sex with partners with unknown risk and HIV status

⁵ Includes those still being followed up for risk information, those who have died with no determined risk, and those lost to follow-up
Data Source: MDPH HIV/AIDS Surveillance Program (percentages may not add up to 100% due to rounding), Data as of 1/1/08

Table 5. People living with HIV/AIDS on December 31, 2007 by gender and race/ethnicity: Barnstable County, Massachusetts

Race/Ethnicity:	Male		Female	
	N	%	N	%
White Non-Hispanic	465	87%	50	71%
Black Non-Hispanic	32	6%	12	17%
Hispanic	31	6%	5	7%
Other/Undetermined ¹	5	1%	3	4%
Total	533	100%	70	100%

¹ Other/Undetermined includes Asian/Pacific Islander, American Indian/Alaska Native and people of unspecified race/ethnicity

Data Source: MDPH HIV/AIDS Surveillance Program (percentages may not add up to 100% due to rounding), Data as of 1/1/08

Table 6. People living with HIV/AIDS on December 31, 2007 by gender and exposure mode: Barnstable County, Massachusetts

Exposure Mode:	Male		Female	
	N	%	N	%
Male-to-male sex (MSM)	439	82%	N/A	N/A
Injection drug use (IDU)	28	5%	22	31%
MSM/IDU	25	5%	N/A	N/A
Heterosexual sex	6	1%	29	41%
Other	2	<1%	2	3%
Total Undetermined	33	6%	17	24%
• Presumed heterosexual sex ¹	18	3%	16	23%
• Undetermined ²	15	3%	1	1%
Total	533	100%	70	100%

¹ Heterosexual sex with partners with unknown risk and HIV status

² Includes those still being followed up for risk information, those who have died with no determined risk, and those lost to follow-up; N/A=Not Applicable

Data Source: MDPH HIV/AIDS Surveillance Program (percentages may not add up to 100% due to rounding), Data as of 1/1/08

Table 7. People diagnosed with HIV infection by gender and year of diagnosis: Barnstable County, Massachusetts, before 1999, 1999–2006¹

	Male		Female		Total
	N	%	N	%	
< 1999	676	91%	66	9%	742
1999	48	83%	10	17%	58
2000	35	88%	5	13%	40
2001	34	89%	4	11%	38
2002	25	83%	5	17%	30
2003	29	94%	2	6%	31
2004	23	92%	2	8%	25
2005	23	85%	4	15%	27
2006 ²	21	81%	5	19%	26

¹ Reflects year of HIV infection diagnosis among all individuals reported with HIV infection, with or without an AIDS diagnosis

² 2006 data are preliminary

Data Source: MDPH HIV/AIDS Surveillance Program (percentages may not add up to 100% due to rounding), Data as of 1/1/08

Table 8. People diagnosed with HIV infection by race/ethnicity and year of diagnosis: Barnstable County, Massachusetts, before 1999, 1999–2006¹

	White NH		Black NH		Hispanic		Other/ Undetermined ²		Total
	N	%	N	%	N	%	N	%	
< 1999	680	92%	30	4%	24	3%	8	1%	742
1999	47	81%	5	9%	5	9%	1	2%	58
2000	36	90%	-- ³	-- ³	-- ³	-- ³	1	3%	40
2001	32	84%	-- ³	-- ³	-- ³	-- ³	0	0%	38
2002	20	67%	-- ³	-- ³	6	20%	-- ³	-- ³	30
2003	25	81%	-- ³	-- ³	-- ³	-- ³	1	3%	31
2004	16	64%	-- ³	-- ³	-- ³	-- ³	2	8%	25
2005	22	81%	5	19%	0	0%	0	0%	27
2006 ⁴	18	69%	-- ³	-- ³	-- ³	-- ³	1	4%	26

¹ Reflects year of HIV infection diagnosis among all individuals reported with HIV infection, with or without an AIDS diagnosis

² Other/Undetermined includes Asian/Pacific Islander, American Indian/Alaska Native and people of unspecified race/ethnicity

³ Numbers less than 5 for localities with populations of less than 50,000 are suppressed for the assurance of confidentiality

⁴ 2006 data are preliminary

NH = Non-Hispanic

Data Source: MDPH HIV/AIDS Surveillance Program (percentages may not add up to 100% due to rounding), Data as of 1/1/08

Table 9. People diagnosed with HIV infection by place of birth and year of diagnosis: Barnstable County, Massachusetts, before 1999, 1999–2006¹

	US		Puerto Rico/ US Dependency ²		Non-US		Total
	N	%	N	%	N	%	
< 1999	687	93%	14	2%	41	6%	742
1999	54	93%	0	0%	4	7%	58
2000	34	85%	0	0%	6	15%	40
2001	34	89%	0	0%	4	11%	38
2002	26	87%	2	7%	2	7%	30
2003	23	74%	0	0%	8	26%	31
2004	21	84%	0	0%	4	16%	25
2005	23	85%	0	0%	4	15%	27
2006 ³	18	69%	0	0%	8	31%	26

¹ Reflects year of HIV infection diagnosis among all individuals reported with HIV infection, with or without an AIDS diagnosis

² Ninety-five percent of all people diagnosed with HIV infection in MA who were born in a US dependency were born in Puerto Rico, 1% were born in the US Virgin Islands, <1% were born in American Samoa, and 4% were born in an unknown dependency

³ 2006 data are preliminary

Data Source: MDPH HIV/AIDS Surveillance Program (percentages may not add up to 100% due to rounding), Data as of 1/1/08

Table 10. People diagnosed with HIV infection by exposure mode and year of diagnosis: Barnstable County, Massachusetts, before 1999, 1999–2006¹

	MSM		IDU		MSM/ IDU		HTSX		Other		Pres. HTSX ²		Undeter- mined ³		Total
	N	%	N	%	N	%	N	%	N	%	N	%	N	%	N
<1999	554	75%	93	13%	39	5%	24	3%	9	1%	9	1%	14	2%	742
1999	41	71%	6	10%	0	0%	5	9%	0	0%	6	10%	0	0%	58
2000	29	73%	3	8%	2	5%	3	8%	1	3%	2	5%	0	0%	40
2001	25	66%	3	8%	5	13%	3	8%	0	0%	1	3%	1	3%	38
2002	21	70%	1	3%	2	7%	2	7%	0	0%	4	13%	0	0%	30
2003	20	65%	2	6%	0	0%	2	6%	0	0%	4	13%	3	10%	31
2004	16	64%	2	8%	2	8%	0	0%	1	4%	4	16%	0	0%	25
2005	17	63%	1	4%	2	7%	2	7%	0	0%	4	15%	1	4%	27
2006 ⁴	17	65%	3	12%	0	0%	0	0%	0	0%	5	19%	1	4%	26

¹ Reflects year of HIV infection diagnosis among all individuals reported with HIV infection, with or without an AIDS diagnosis

² Heterosexual sex with partners with unknown risk and HIV status

³ Includes those still being followed up for risk information, those who have died with no determined risk and those lost to follow-up

⁴ 2006 data are preliminary

MSM = Male-to-Male Sex; IDU = Injection Drug Use; MSM/IDU = Male-to-Male Sex and Injection Drug Use; HTSX = Heterosexual Sex; Pres. HTSX = Presumed Heterosexual Sex

Data Source: MDPH HIV/AIDS Surveillance Program (percentages may not add up to 100% due to rounding), Data as of 1/1/08

Table 11. People diagnosed with HIV infection and AIDS within two months and all people diagnosed with HIV infection by year of diagnosis: Barnstable County, Massachusetts, 1999–2006¹

	HIV and AIDS diagnosed within 2 months	All HIV infection diagnoses	% diagnosed with HIV and AIDS within 2 months
Year:	N	N	%
1999	15	58	26%
2000	6	40	15%
2001	12	38	32%
2002	10	30	33%
2003	12	31	39%
2004	9	25	36%
2005	7	27	26%
2006	9	26	35%

¹ Reflects year of HIV diagnosis among all individuals reported with HIV infection, with or without an AIDS
Data Source: MDPH HIV/AIDS Surveillance Program, Data as of 1/1/08

Table 12. People diagnosed with HIV infection and AIDS within two months and all people diagnosed with HIV infection by gender, race/ethnicity, and place of birth: Barnstable County, Massachusetts, 2004–2006¹

	HIV and AIDS diagnosed within 2 months	All HIV infection diagnoses	% diagnosed with HIV and AIDS within 2 months
Gender:	N	N	%
Male	22	67	33%
Female	3	11	27%
Race/Ethnicity:	N	N	%
White (non-Hispanic)	18	56	32%
Black (non-Hispanic)	5	12	42%
Hispanic	2	7	29%
Other/Undetermined ²	0	3	0%
Place of Birth:	N	N	%
US	17	62	27%
Puerto Rico/US Dependencies ³	0	0	0%
Non-US	8	16	50%
Total	25	78	32%

¹ Reflects year of HIV diagnosis among all individuals reported with HIV infection, with or without an AIDS

² Other/Undetermined includes Asian/Pacific Islander, American Indian/Alaska Native and people of unspecified race/ethnicity

³ Ninety-five percent of all people diagnosed with HIV infection in MA who were born in a US dependency were born in Puerto Rico, 1% were born in the US Virgin Islands, <1% were born in American Samoa, and 4% were born in an unknown dependency

Data Source: MDPH HIV/AIDS Surveillance Program, Data as of 1/1/08